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SEARCH REQUEST FO Rev. 3/15/2004 This is an experim		echnical Information	Center - EIC2800	
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If submitting more than one se	arch, please prioritize in	order of need.	ed before	
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The EIC searcher normally will with a searcher for an interacti	contact you before beging the search, please notify of	ining a prior art search. one of the searchers,	if you would like to sit	
Where have you searched so Circle: USPT I Other:	o far on this case? OWPI EPO Abs	JPO Abs	IBM TDB	
What relevant art have you information Disclosure State	found so far? Please att ments.	ach pertinent citations	or	
What types of references wo	uld you like? Please cl	neckmark:		
Primary Refs N	•			
Secondary Refs Fo	oreign Patents			
Teaching Refs	•			
What is the topic, such as the <u>novelty</u> , motivation, utility, or other specific facets defining the desired <u>focus</u> of this search? Please include the concepts, synonyms, keywords, acronyms, registry numbers, definitions, structures, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract and pertinent claims.				
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Date Searcher Picked Up: 9/26/05	Fulltext	Lexis-Nexis	/	
Date Completed: 9/29/05 Searcher Prep/Rev Time: 6 47	Patent Family	WWW/Internet		
Casabas Dean/Day Times (C) 77	Other	Other		

30sep05 08:16:12 User259284 Session D3346.2

SYSTEM: OS - DIALOG OneSearch File 350:Derwent WPIX 1963-2005/UD,UM &UP=200561 File 347: JAPIO Nov 1976-2005/Apr (Updated 050801) File 344: Chinese Patents Abs Aug 1985-2005/May Description Set Items 390 MEMS/TI AND MEMS/AB S1 87 S1 AND (ELECTRODE? OR MICROELECTRODE?) S2 S2 AND (ULSI OR VLSI OR INTEGRATED OR MONOLITH? OR SYSTEM (-S3 2W) CHIP OR SOC OR SOI OR SIMOX) 193700 S58:S59 S4 S2 AND (CONTROL? OR MICROCONTROL?) (7N) (DETECT? OR SENS??? -S5 1 OR MICRODETECT? OR MICROSENS?) S 6 6 S3 OR S5 36508 S4 AND (ELECTRODE? ? OR MICROELECTRODE?) S7 39229 S4 AND (CONTROL? OR MICROCONTROL?) S8 S4 AND (DETECT? OR SENS??? OR MICRODETECT? OR MICROSENS?) S9 38452 12942 S10 8AND9 S10 AND (TRANSLAT? OR REVOLV? OR ADJUST????? OR MOVE?????? -S11 4839 OR MOVAB? OR MOVING? OR ROTAT???????) 2087 S11 AND DRIV?????? S12 71 7AND12 S13 S13 AND (MONOLITH? OR INTEGRATED OR VLSI OR ULSI OR SOI OR S14 SOC OR MICROSYSTEM?) S15 8 S14 NOT S6 S1:S13 AND (MIRROR? OR MICROMIRROR? OR MICROREFLECT? OR (M-S16 19341 EMS OR MICRO OR MICROMACH? OR MICROMECH? OR MICROELECTR?) (2N) -(MIRROR?? OR REFLECT??)) S16 AND (TRANSLAT? OR REVOLV? OR ADJUST????? OR MOVE????? -S17 OR MOVAB? OR MOVING? OR ROTAT???????) S17 AND (MONOLITH? OR INTEGRATED OR VLSI OR ULSI OR SOI OR S18 SOC OR MICROSYSTEM? OR CHIP? ? OR MICROCHIP? ?) S18 AND (CONTROL????? OR MICROCONTROL??????) (6N) ELECTRODE? S19 11 ? S18 AND (CONTROL????? OR MICROCONTROL??????) (6N) MICROELECT-S20 0 RODE? ? S18 AND (DETECT? OR SENS??? OR MICRODETECT? OR MICROSENS?) -S21 (6N) (MICROELECTRODE? ? OR ELECTRODE? ?) S22 94 S18 AND DRIV????? S18 AND (CPU OR PROCESSOR?) S23 9 S24 17 S18 AND (MEMOR???? OR DATA(2N)STOR?????) 13AND22 S25 2 14 S15 OR S6 S26 33 S27 S19:S21 OR S23:S25 31 S27 NOT S26 S28 S28 AND (CIRCUIT?????? OR MICROCIRCUIT?????) 15 S29 S28 AND FLOAT??????? S30 2 S28 AND ELECTRODES S31 0 S28 AND MICROELECTRODES S32 0 S28 AND CONDUCTORS S33 : 0 S28 AND MICROCONDUCTORS S34

2 (Continued on next sheet)

4

2

S29 AND S30:S31

S36 NOT S35

S28:S31 AND (ULTRA??????? OR ULSI)

S35

S36

S37

30sep05 08:16:12 User259284 Session D3346.2

SYSTEM:OS - DIALOG OneSearch

File 350:Derwent WPIX 1963-2005/UD, UM &UP=200561 File 347:JAPIO Nov 1976-2005/Apr(Updated 050801) File 344:Chinese Patents Abs Aug 1985-2005/May

(Continued)

S38	12936	S1:S29 AND (CONTROL????? OR MICROCONTROL??????) AND (DETEC-
	Т?	OR SENS??? OR MICRODETECT? OR MICROSENS?)
S39	5318	S38 AND (TRANSLAT? OR REVOLV? OR ADJUST????? OR MOVE????? -
		MOVAB? OR MOVING? OR ROTAT??????? OR ROTOR?? OR OSCILLAT??-
	??	
S40	239	S38 AND (ELECTROMECH? OR ELECTRO()MECHANIC?????)
S41	47	S38 AND PHYSICALLY
S42	12936	S38:S41
S43	4468	
S44	6751	S42 AND (SIGNAL????? OR NOIS??? OR SNR OR S(1W)N OR TRANSM-
	I?	?????)
S45	1107	S42 AND CONTROL????/TI AND SENS????/TI
S46	2465	S42 AND CONTROL?????(9N)SENS????
S47	2455	43AND44
S48	1040	S43 AND S45:S46
S49	1514	S44 AND S45:S46
S50	616	47AND48
S51	614	S50 NOT (S37 OR S35 OR S15 OR S6)
S52	198	DRIV?????(7N) (SENS??? OR MICROSENS????) AND S51
S53	363	DRIV?????(7N) (CONTROL????? OR MICROCONTROL????) AND S51
S54	145	52AND53
S55	0	S52:S53 AND (SINGLE OR ONE OR 1) (1W) (CHIP OR MICROCHIP OR -
	SU	BSTRATE)
S56	0	S52:S53 AND (MONOLITH? OR SYSTEM(2W) (CHIP OR MICROCHIP) OR
	SO	C OR SOI OR SOP OR SIMOX OR ULSI OR (SCALE OR HIGHLY) (W) INT-
	EG	RAT????)
S57	. 0	S52:S53 AND VLSI
S58	1	S52:S53 AND CHIP
S59	0	S52:S53 AND MICROCHIP
S60	8	S52:S53 AND SUBSTRATE
S61	7	S52:S53 AND IC
S62	1	S52:S53 AND INTEGRATED()CIRCUIT
S63	17	S58:S62

29sep05 15:03:15 User259284 Session D3344.2

Dialog File 2: INSPEC 1969-2005/Sep W3 c) 2005 Institution of Electrical Engineers

```
Set
        Items
               Description
               R1:R16 OR R21 OR R23 OR R30:R31
S1
        41064
               S1 OR MEMS OR MICROELECTROMECH?
S2
       41218
       47484 S2 OR MICROMECH? OR MICROELECTRO()MECH??????? OR MICRO()ELECTRO()MECH??????
S3
       48459 S3 OR MEM
S4
         409 S4 AND (SENS??? OR DETECT????) (2N) (CIRCUIT??? OR MICROCIRCUIT???)
S5
        5181
               S4 AND (MOVE? OR MOVAB? OR MOVING OR MOTION???)
S6
       80293 (DRIV??? OR OUTPUT????? OR CONTROL?????) (4N) (SIGNAL? OR CIRCUIT??? OR
S7
MICROCIRCUIT??? OR SIGNAL???)
               ELECTROMECHANIC? OR ELECTRO() MECH??????
S8
       18401
       172296
               SIGNALS/AB (January 1999)
S9
               S4 AND (SENS??? OR DETECT????) (2N) (ELECTRODE? ? OR MICROELECTRODE? ?)
S10
          186
        10178 S4 AND (MICROCONTROL? OR CONTROL?????? OR COMMAND?????)
S11
          73 S4 AND (MICROCONTROL? OR CONTROL??????) (3N) (ELECTRODE? OR MICROELECTRODE?)
S12
              S4 AND (REVOLV? OR ROTAT?)
         1550
S13
       127549
               CPU OR PROCESSOR?
S14
               MEMOR??? OR DATA(2N)STOR?????? OR RAM OR DRAM OR ROM OR EPROM OR EEPROM OR
      188427
S15
PROM OR SRAM
           43
               5AND6
S16
          190
               7AND6
S17
          384
               8AND6
S18
          133
               9AND6
S19
S20
          19
               10AND6
         1951
               11AND6
S21
              12AND6
S22
          23
          469
              13AND6
S23
          47
               14AND6
S24
          196
               15AND6
S25
           7
               S13 AND S5
S26
          591
               S13 AND S7:S12
S27
               S13 AND S14
S28
           6
S29
           51
               S13 AND S15
S30
         3102
               S16:S29
              S30 AND (PENTIUM OR RISC OR ICS OR INTEGRATED()CIRCUIT??? OR MICROCIRCUIT?
         546
S31
OR MONOLITH? OR IC OR MICROCHIP? OR SOI OR SOC OR CHIP OR CHIPS OR MCM? ? OR MULTICHIP?)
S32
          192
               S31 AND DRIV??????
S33
          353
               S31 AND CONTROL?????
          117
               32AND33
S34
            3
               14AND34
S35
S36
            3
              15AND34
               S35:S36
S37
            6
S38
       16417
               R1:R2 OR MEMS
               S10 OR S12 OR S16:S34
S39
         3311
         1172
               38AND39
S40
                S40 AND MEMORY
S41
           41
                S40 AND DRIV????(3N) (CIRCUIT???? OR MICROCIRCUIT????)
           15
S42
S43
            1
         2653 (SENS??? OR MICROSENS??? OR MICRODETECT????) (1N) (ELECTRODE?? OR
S44
MICROELECTRODE?? OR CIRCUIT???? OR MICROCIRCUIT????)
S45
           35
                40AND44
               S45 NOT (S37 OR S43)
S46
           34
S47
           1
               41AND46
               42AND46
S48
           1
               S47:S48
S49
            2
               S46 NOT
                       S49
S50
           32
            7
               S50 AND S6
S51
           1
               S50 AND S13
S52
                S51:S52
S53
            8
```

9/29/2005 10:26:00 AM

- [File 2] INSPEC 1969-2005/Sep W3
- [File 6] **NTIS** 1964-2005/Sep W3
- [File 8] Ei Compendex(R) 1970-2005/Sep W3
- [File 34] SciSearch(R) Cited Ref Sci 1990-2005/Sep W3
- [File 434] SciSearch(R) Cited Ref Sci 1974-1989/Dec
- [File 35] Dissertation Abs Online 1861-2005/Aug
- [File 65] Inside Conferences 1993-2005/Sep W4
- [File 94] JICST-EPlus 1985-2005/Jul W5
- [File 99] Wilson Appl. Sci & Tech Abs 1983-2005/Jul
- [File 144] **Pascal** 1973-2005/Sep W3
- [File 344] Chinese Patents Abs Aug 1985-2005/May
- [File 347] **JAPIO** Nov 1976-2005/Apr(Updated 050801)
- [File 350] **Derwent WPIX** 1963-2005/UD, UM &UP=200561
- [File 371] French Patents 1961-2002/BOPI 200209
- [File 23] CSA Technology Research Database 1963-2005/Sep
- [File 103] Energy SciTec 1974-2005/Aug B2
- [File 95] TEME-Technology & Management 1989-2005/Aug W3
- [File 68] Solid State & Superconductivity Abstracts 1966-2005/Sep
- [File 60] ANTE: Abstracts in New Tech & Engineer 1966-2005/Sep
- [File 293] Engineered Materials Abstracts 1966-2005/Sep

Set Items Postings Description
S1 1266645 5977211 S (SEMICONDUCTOR? ? OR SEMI()CONDUCTOR? ? OR PCB? ? OR TAB? ? OR PRINT????()CIRCUIT()BOARD? ? OR
CIRCUIT???()BOARD? ? OR LOAD()BOARD? ? OR LOADBOARD? ? OR LSI? ? OR ASIC? ? OR ELECTRON???()DEVICE? ? OR PRINT???()CIRCUIT??? OR
IC? ? OR INTEGRAT????()CIRCUIT??? OR CHIP? ? OR WAFER???)(3N)(DEVICE? ? OR APPARATUS??? OR INSTRUMENT? ? OR APPLIANCE? ? OR
HARDWARE? ? OR MECHANIST? ?)

82 424943 994844 S MEM? ? OR OPTICAL(3N)SWITCH???? OR MICROMACHINE? ? OR MICRO()MACHINE? ? OR MICROELECTROMECHANICAL()SYSTEM? ? OR MICROELECTRO()MECHANICAL()SYSTEM? ? OR MICROELECTRO()MECHANICAL? ? OR MICROMECHANICAL? ?

S3 1295190 6906173 S (SEMICONDUCTOR? ? OR SEMI()CONDUCTOR? ? OR PCB? ? OR TAB? ? OR PRINT????()CIRCUIT()BOARD? ? OR CIRCUIT???()BOARD? ? OR LOAD()BOARD? ? OR LOADBOARD? ? OR LSI? ? OR ASIC? ? OR ELECTRON???()DEVICE? ? OR PRINT???()CIRCUIT??? OR IC? ? OR INTEGRAT????()CIRCUIT??? OR CHIP? ? OR WAPER???)(3N)(SUBSTRATE? ? OR MATERIAL? ? OR SUBSTRACE? ? OR SURFACE? ? OR STRATUM? ? OR OBJECT? ? OR SUPPORT? ? OR INSULATOR? ? OR CERAMIC? ? OR PLASTIC? ? OR GLASS?? OR WAPER? ? OR FERROUS OR FERRITE?

S4 6294110 21014492 S (PLURALIT???? OR MANY OR MULTIPLE? ? OR DIFFERENT?? OR NUMEROUS OR NUMBER? ? OR VARIOUS OR VARY????
OR SEVERAL?? OR DIVERSE OR TWO? ? OR THREE? ? OR FOUR? ? OR MORE OR 2? ? OR 3? ? OR 4? ?)(3N)(UNIT? ? OR ASSEMBL???? OR ENTIT????
OR GROUP? ? OR MODULE? ? OR PIECE? ? OR COMPONENT? ? OR ELEMENT? ? OR ITEM? ? OR PART? ?)

S5 513450 1663947 S (MOVING OR MOVABLE OR SHIPT???? OR ADVANC???? OR MOBIL????? OR MOTIVE OR MOTILE OR MOTION???? OR ACTIVE??? OR AGITATE????)(3N)(PIECE? ? OR SEGMENT? ? OR MODULE? ? OR UNIT? ? OR PART? ? OR ELEMENT? ? OR COMPONENT? ? OR ITEM? ?)

S6 214418 793346 S (CONTROL???? OR MASTER??? OR GUID???? OR OPERAT???? OR GOVERN???)(3N)(ELECTRODE? ? OR CONDUCTOR? ? OR ROD? ? OR ANODE? ? OR CATHODE? ? OR PROBE? ?)

S7 287857 1094499 S (DRIV???? OR ACTUAT???? OR INDUC???? OR ACTUAT???? OR ENERGIZ???? OR EXCIT???? OR STIMULAT?????) (3N) (CIRCUIT???? OR CHIP? ? OR IC? ? OR INTEGRAT????(2N) CIRCUIT????)

S8 1405680 5968875 S (SENS???? OR DETECT???? OR MONITOR???? OR MEASUR????? OR TEST???? OR GAUG???? OR PROB???? OR ACTUAT???? OR CONTROL????) (3N) (ELECTRODE? ? OR CONDUCTOR? ? OR ROD? ? OR ANODE? ? OR CATHODE? ? OR PROBE? ?)

S9 1132326 4858339 S (SENS???? OR DETECT???? OR MONITOR???? OR MEASUR????? OR TEST???? OR GAUG???? OR PROB???? OR ACTUAT???? OR CONTROL????) (3N) (CIRCUIT???? OR CHIP? ? OR IC? ? OR INTEGRAT????(2N) CIRCUIT????)

S10 6758042 28695650 S MEMOR???? OR STOR???? OR BUFFER???? OR MEMOR???? OR CACHE? ? OR DISK????? OR DISC? ? OR RAM? ? OR SDRAM? ? OR STOR????(3N)DEVICE? ? OR CD()ROM? ? OR EPROM? ? OR EPROM? ? S11 21416745 54382667 S PROCESS???? OR CPU? ? OR CENTRAL()PROCESS????()UNIT OR ALU? ? OR ARITHMETIC(2W)LOGIC()UNIT? ? OR CU? ? OR CONTROL()UNIT? ? OR MICROPROCESS???? OR MICROCOMPUTER? ? OR COMPUTER? ?

512 6837 20926 S (DOWNSIZ???? OR DOWN()SIZING OR DECREAS???? OR MINIMIZ???? OR MINIATUR??????? OR SCAL????(3N)DOWN OR REDUC???? OR DIMINISH??? OR PARE??()DOWN OR SHRINK??? OR ECONOM??????)(3N)(MEM? ? OR OPTICAL(3N)SWITCH???? OR MICROMACHINE? ? OR SIGNAL()LINE? ?)

S13 498433 1528593 S MIRROR???? S14 9563 22117 S (EFFICIENT??? OR EFFECT????? OR ECONOM????) (3N) MIRROR???

S15 97833 160802 S IC=(B81B-001/00 OR B81B-003/00 OR B81B-005/00 OR B81B-007/02 OR B81B-007/04 OR B81C-001/00 OR B81C-005/00 OR G02B-026/08 OR H01L-021/00 OR H01L-021/302 OR H01L-027/00 OR H01L-027/148 OR G02B-006/35 OR G02B-006/12 OR G02B-006/28)

S16 69929 80124 S MC=(U12-B03F1B OR V06-M06G OR V06-U04E OR V06-U14 OR V07-G15 OR U13-D04 OR V07-G15 OR V07-K05 OR W01-A06B5A OR W01-A06B5B OR W01-A06C1 OR W02-C04A9 OR W02-C04B1)

S17 105560 170966 S IC=(B81B-001/00 OR B81B-003/00 OR B81B-005/00 OR B81B-007/02 OR B81B-007/04 OR B81C-001/00 OR B81C-005/00 OR G02B-026/08 OR H01L-021/00 OR H01L-021/302 OR H01L-027/00 OR H01L-027/148 OR G02B-006/35 OR G02B-006/12 OR G02B-006/28)

```
S S1 AND S2 AND S3 AND S4 AND S5
                             884
                                    S S18 AND S12
S S18 AND PY<=2002
                             391
S20
               18
                                     S S1 AND S2 AND S12
S21
              241
                            3049
522
                0
                                     S S21(3N)S5
                             101
                                     S S21 AND S5
S23
                                     S S1(3N)S2
S S24(3N)S12
524
              684
                            3080
S25
                              34
                              90"
                                     S S12 AND S13 AND S14
S S24(3N)S14
526
527
                0
                                0
                                     S S24 AND S14
S S24 AND S15
S28
S29
               48
                             414
                                     S S29 AND PY<=2002
S30
               21
531
               37
                             295
                                     S S24 AND S16
S32
               23
                             324
                                     S S31 AND PY<=2002
S33
               59
                            2084
                                     S S6 AND S7 AND S8 AND S9 AND S10 AND S11
                                     S S33 AND S1
S34
                6
                             250
                                      S S34 AND PY<=2002
                             190
S35
                                      S S23 NOT S20
S36
                             101
                                     S 523 NOT 520

S 525 NOT (520 OR 523)

S 526 NOT (520 OR 523 OR 525)

S 530 NOT (520 OR 523 OR 525 OR 526)

S 532 NOT (520 OR 523 OR 525 OR 526 OR 530)

S 534 NOT (520 OR 523 OR 525 OR 526 OR 530 OR 532)
S38
                              90
S39
540
               15
                             183
                             191
S41
                                      S S35 NOT (S20 OR S23 OR S25 OR S26 OR S30 OR S32 OR S34)
```

9/28/2005 12:47:21 PM

[File 342] Derwent Patents Citation Indx 1978-05/200559

? s pn=US 6861720

S1 1 S PN=US 6861720

? map ct/pn=

SearchSave "SC063" stored
7 Select Statements, 83 Search Term(s)
SearchSave SC063

1 SearchSave(s), 83 Search Term(s)

[File 344] Chinese Patents Abs Aug 1985-2005/May

[File 347] JAPIO Nov 1976-2005/Apr(Updated 050801)

[File 350] Derwent WPIX 1963-2005/UD, UM &UP=200561

? map pn/ct=
Processing MAP

SearchSave "SC065" stored 21 Select Statements, 269 Search Term(s) SearchSave SC065

1 SearchSave(s), 269 Search Term(s)

Set	Items	Postings	Description
S1	1268	2503	S1:S20 FROM 342
S2	5	15	S S1 AND MEM? ?
S3	1000	4827	S S1 AND PY<=2002
S4	6	16	S S1 AND MIRROR

9/28/2005 4:16:42 PM

[File 348] EUROPEAN PATENTS 1978-2005/Sep W03

[File 349] PCT FULLTEXT 1979 2005/UB=20050922,UT=20050915

[File 324] German Patents Fulltext 1967-200538

- Set Items Postings Description

 187692 3356947 S (SEMICONDUCTOR? ? OR SEMI()CONDUCTOR? ? OR PCB? ? OR TAB? ? OR PRINT????()CIRCUIT()BOARD?

 OR CIRCUIT???()BOARD? ? OR LOAD()BOARD? ? OR LOADBOARD? ? OR LSI? ? OR ASIC? ? OR ELECTRON???()DEVICE? ? OR PRINT????()CIRCUIT??? OR CHIP? ? OR WAFER???)(3N)(DEVICE? ? OR APPARATUS??? OR INSTRUMENT? ? OR APPLIANCE? ? OR HARDWARE? ? OR MEANS OR MECHANISM? ?)
- S2 341560 1658192 S MEM? ? OR OPTICAL(3N)SWITCH???? OR MICROMACHINE? ? OR MICROELECTROMECHANICAL()SYSTEM? ? OR MICROELECTROMECHANICAL()SYSTEM? ? OR MICROELECTRO()MECHANICAL()SYSTEM? ? OR MICROELECTRO()MECHANICAL()SYSTEM? ? OR MICROELECTRO()MECHANICAL? ?
- 205906 6496910 S (SEMICONDUCTOR? ? OR SEMI()CONDUCTOR? ? OR PCB? ? OR TAB? ? OR PRINT????()CIRCUIT()BOARD? ? OR CIRCUIT???()BOARD? ? OR LOAD()BOARD? ? OR LOAD()BOARD? ? OR LSI? ? OR ASIC? ? OR ELECTRON???()DEVICE? ? OR PRINT???()CIRCUIT??? OR CHIP? ? OR WAFER???)(3N)(SUBSTRATE? ? OR MATERIAL? ? OR SUBSTRANCE? ? OR SURFACE? ? OR STRATUM? ? OR OBJECT? ? OR SUPPORT? ? OR INSULATOR? ? OR CERAMIC? ? OR PLASTIC? ? OR GLASS?? OR WAFER?? ? OR FERROUS OR FERRITE? ?)
- S4 2422334 42728338 S (PLURALIT???? OR MANY OR MULTIPLE? ? OR DIFFERENT?? OR NUMBEROUS OR NUMBER? ? OR VARIOUS OR VARY???? OR SEVERAL?? OR DIVERSE OR TWO? ? OR THREE? ? OR FOUR? ? OR MORE OR 2? ? OR 3? ? OR 4? ?)(3N)(UNIT? ? OR ASSEMBL???? OR ENTIT???? OR GROUP? ? OR MODULE? ? OR PIECE? ? OR COMPONENT? ? OR ELEMENT? ? OR ITEM? ? OR PART? ?)
- S5 436501 3320002 S (MOVING OR MOVABLE OR SHIFT???? OR ADVANC???? OR MOBIL????? OR MOTIVE OR MOTILE OR MOTION???? OR ACTIVE??? OR AGITATE????) (3N) (PIECE? ? OR SEGMENT? ? OR MODULE? ? OR UNIT? ? OR PART? ? OR ELEMENT? ? OR COMPONENT? ? OR ITEM? ?)
- 56 121815 1087144 S (CONTROL???? OR MASTER??? OR GUID???? OR OPERAT???? OR GOVERN???) (3N) (ELECTRODE? ? OR CONDUCTOR? ? OR ROD? ? OR ANODE? ? OR CATHODE? ? OR PROBE? ?)
- 57 131923 1589288 5 (DRIV???? OR ACTUAT???? OR INDUC???? OR ACTUAT???? OR ENERGIZ???? OR EXCIT???? OR STIMULAT????) (3N) (CIRCUIT???? OR CHIP? ? OR IC? ? OR INTEGRAT????(2N) CIRCUIT????)
- 58 368756 8871077 S (SENS???? OR DETECT???? OR MONITOR???? OR MEASUR????? OR TEST???? OR GAUG???? OR PROB????
 OR ACTUAT???? OR CONTROL????) (3N) (ELECTRODE? ? OR CONDUCTOR? ? OR ROD? ? OR ANODE? ? OR CATHODE? ? OR PROBE? ?)
- 59 315973 5260447 S (SENS???? OR DETECT???? OR MONITOR???? OR MEASUR????? OR TEST???? OR GAUG???? OR PROB????
 OR ACTUAT???? OR CONTROL????)(3N)(CIRCUIT???? OR CHIP? ? OR IC? ? OR INTEGRAT????(2N)CIRCUIT????)
- \$10 2059752 44414613 S MEMOR???? OR STOR???? OR BUFFER???? OR MEMOR???? OR CACHE? ? OR DISK????? OR DISC? ? OR RAM? ? OR SDRAM? ? OR DISK????? OR DISC? ? OR CD()ROM? ? OR PROM? ? OR EPROM? ? OR EPROM? ?
- s11 2665920 46462357 S PROCESS???? OR CPU? ? OR CENTRAL()PROCESS????()UNIT OR ALU? ? OR
 ARITHMETIC(2W)LOGIC()UNIT? ? OR CU? ? OR CONTROL()UNIT? ? OR MICROPROCESS???? OR MICRÓCOMPUTER? ? OR COMPUTER? ?
- \$12 3471 13986 S (DOWNSIZ????.OR DOWN()SIZING OR DECREAS???? OR MINIMIZ???? OR MINIMIZ???? OR MINIMIZ????? OR

 SCAL????(3N)DOWN OR REDUC???? OR DIMINISH??? OR PARE??()DOWN OR SHRINK??? OR ECONOM??????)(3N) (MEM? ? OR

 OPTICAL(3N)SWITCH??? OR MICROMACHINE? ? OR MICRO()MACHINE? ? OR MICROELECTROMECHANICAL()SYSTEM? ? OR

 MICRO()ELECTROMECHANICAL()SYSTEM? ? OR MICROELECTRO()MECHANICAL()SYSTEM? ? OR MICRO()MECHANICAL? ? OR MICROELECTROMECHANICAL? ? OR MICROELECTROMECHANICAL?
- **s13** 212923 2011456 S MIRROR????
- 514 5584 17578 S (EFFICIENT??? OR EFFECT????? OR ECONOM????) (3N) MIRROR???

C C1 NUD C2 NUD C3 NUD C4 NUD CE

- **s15** 17885 19338 S IC=(B81B-001/00 OR B81B-003/00 OR B81B-005/00 OR B81B-007/02 OR B81B-007/04 OR B81C-001/00 OR B81C-005/00 OR G02B-026/08 OR H01L-021/00 OR H01L-021/302 OR H01L-027/00 OR H01L-027/148 OR G02B-006/35 OR G02B-006/12 OR G02B-006/28)

S17	2683	561171	S S1 AND S2 AND S3 AND S4 AND S5
S18	152	182845	S S17 AND S6 AND S7 AND S8 AND S9 AND S10 AND S11
S19	6	19454	S S18 AND S12 AND S13
520	0	0	S S18 AND S12 AND S14
521	7	9808	S S18 AND S14
522	279	63792	S S17 AND S15
523	 23	— 205	S S22'(3N) S12
524	0	0	S S22(3N)S14
S25	322	2051	S S1 (3N) S2
S26	0	0	S S25(3N)S5
S27	6	42	S S25(3N)S12
S28	0.	0	S S27(3N)S14
S29	0	0	S S27(3N)S13
S30	53	534	S S25 AND S15
S31	20	355	S S30 AND PY<=2002
S32	20	355	IDPAT (sorted in duplicate/non-duplicate order)
S33	20	355	IDPAT (primary/non-duplicate records only)
S34	7	9808	S S21 NOT S19
S35	22	160	S 523 NOT (S19 OR S21)
S36	17	327	S S33 NOT (S19 OR S21 OR S23)